

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (previously presented). A fuel rod testing assembly, comprising:

a plurality of measuring devices each having a sensing arm with a laterally deflectable free end and a measuring head carried on said free end of said sensing arm; and

a carrier body carrying said plurality of said measuring devices and being mounted on a plurality of guide rolls disposed to be guided along a fuel rod;

said measuring head of said measuring device having:

a sensor housing;

a sensing tip for determining a contour or geometry characteristic value of the fuel rod, said sensing tip being disposed on said sensor housing; and

a layer thickness measuring probe integrated in said sensor housing for measuring a thickness of a layer on the fuel rod.

Claim 2 (original). The fuel rod testing assembly according to claim 1, wherein said layer thickness measuring probe comprises a coil arrangement connected to an eddy current detector.

Claim 3 (original). The fuel rod testing assembly according to claim 1, wherein said layer thickness measuring probe is disposed inside said sensor housing, behind said sensing tip.

Claim 4 (original). The fuel rod testing assembly according to claim 1, wherein said sensing tip is made from diamond.

Claim 5 (currently amended). The fuel rod testing assembly according to claim 1, wherein said sensing arm is ~~secured to~~ disposed on said carrier body via a bending joint, and a sensor is disposed for recording a bending angle of said bending joint.

Claim 6 (original). The fuel rod testing assembly according to claim 1, wherein said sensing arm is a deflectable spring steel sheet.

Claim 7 (original). The fuel rod testing assembly according to claim 1, which further comprises a strain gauge disposed on said sensing arm.

Claim 8 (original). The fuel rod testing assembly according to claim 1 configured for testing any of a number structural parts of a nuclear engineering installation.

Claim 9 (original). The fuel rod testing assembly according to claim 8 configured for testing a fuel rod, a fuel assembly channel, or a spacer of the nuclear engineering installation.